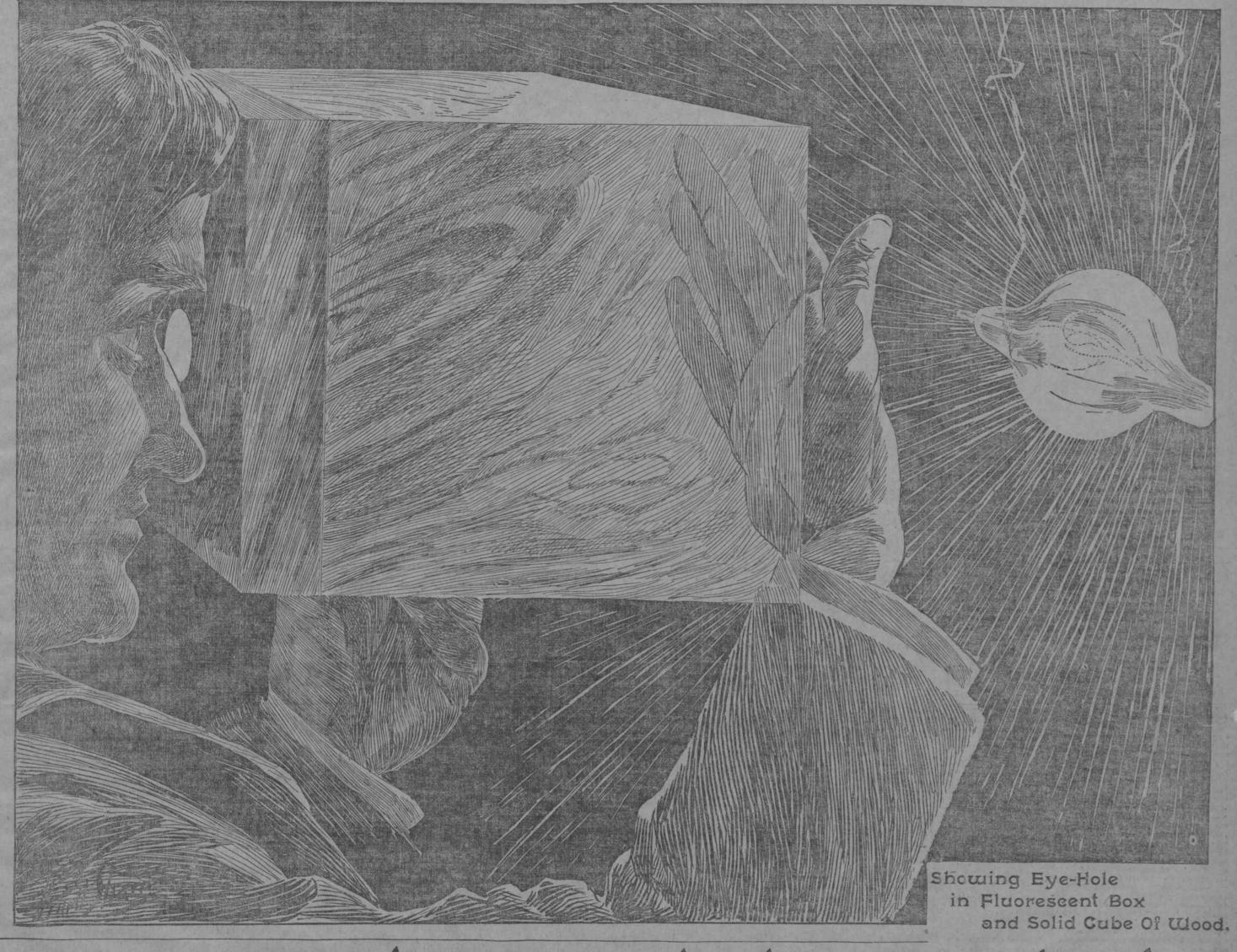
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## MR. EDISON'S ASTOUNDING DISCOVERY.

The Great Inventor Succeeds in Seeing Through an Fight-Inch Solid Block of Wood with the Naked Eye.

in his experiments with the Roentgen ray secure the proper condition there is no reanaked eye through a solid block of wood the X ray, cannot penetrate walls just as

of a reporter for the Sunday Journal. The | no means controllable or absolute." reporter himself, after Mr. Edison had arranged all the apparatus so that the best Mr. Edison thereupon permitted the re-

question of further experiment and more which are nothing more or less than a sort powerful light when the human eye will of double incandescent lamp, without wires, be able to see through solid metals, brick are prepared for the experiments. The walls, sealed letters and the human body. tubes are glass bulbs, oblong in shape, and Mr. Edison believes that there is no reason with pear-shaped ends. The two poles are why physicians may not look into our fastened at either end, from which wires beart, lungs and stomach. A 624 that run to the battery are connected.

Mr. Edison has been at his experiments From the centre of the middle of the

Thomas A. Edison has progressed so far onstrate conclusively that if we only can that it is now possible to see with the son why the human eye, with the aid of easy as it now penetrates the open atmos-This marvellous feat was accomplished phere. You can see for yourself what we by Mr. Edison yesterday in the presence can do already with conditions that are by

results could be seen, looked through the porter to see for himself just what could eight-inch block, which was of solid, be done. The experiments at the laboraheavy yellow pine, and saw distinctly the tory out in Orange are conducted in a outlines of his fingers at the other end. darkened room, where the machinery for the exhaustion of incandescent lamps is Mr. Edison declares that it is simply a mounted. It is here that the Crookes tubes,

practically day and night since the dis- tube, which varies in length from four to covery of the Roentgen ray was first an- six or seven laches, a stem-like arrangenounced. His aim has been to do away ment runs. This stem fits into the exhaust with photography in penetrating solid sub- tube, through which by means of a constances, and to perfect his apparatus so stant failing of merenry all the air is that the human eye can do the work of the drawn out. Frequent tests are made during the process, and as soon as the character "It is simply," said Mr. Edison, "a ques- of the light demonstrates that the exhaustion of perfecting the apparatus. To that tion has been completed—that is, when it end I am working. Rocutgen's results dem- burns with a steady yellow glow-the tube Edison, New York From the Laboratory Thomas A. Edison. Orange, N.J.

By proper arrangements I can see with the naked Eye. all The Cones of The hand, and can see moving objects through Eight motion of wood -Salaren

s sealed at the stem. This sealing process as it acts when the results are good, and twists and the end is closed and the tube is to learn just what is necessary, what

is ready for experimenting.

a week to learn this one little fact, which solved that there is no reason why we canbe adjusted that it makes all the difference my progress has been more than slow. glass-blowing for the tubes. If the glass- very encouraging. With the aid of a fluorblower has been drinking boer, the effect escent screen we have been able to see can be noticed almost instantly, and con- objects through all manner of substances ditions arise that make successful tests except metals, bone and a few other subimpossible butil the gases that remain in stances. Here, try this yourself. We will he glass from this beer are driven out. begin with this copy of a magazine. You

the past getting splendid results for a few and yet with the aid of our screen you apparent reason, the wilde thing suddenly see through it, that it is translucent." collapsed and we have got nothing. The "fluorescent screen" of which Mr.

is accomplished by heating the stem until to all appearances everything was just if melts and draws very much as molasses right. But the thing simply would give no candy draws in the pulling. A few sharp results. What we are striving after now To show what an infinite amount of pa- the cathode tays act successfully. So far tience and trouble it requires in these ex- we are still in the dark. The heating of the stem of the tubes and the driving out "Before sealing the tubes we now heat of the gases in this way has been a step, this stem that you see there, in order to but only a step. There are other things drive off all the gases that have generated necessary, and what they are is the probor that may be generated. It took us lem which we must solve. When we have is of striking importance, for the gases, as not look through hones, and we will yet, we now know, that are generated from the mark me, see the day, and within a very glass itself when it is heated by the electric short time, when a surgeon can hold one current that generates the cathode rays are of these lamps on one side of the head and sufficient to spoll every experiment that is look through and see with the naked eye made and to prevent the best possible re- exactly what is going on inside. My exsults. So delicately must the conditions periments convince me of that, though

"Day after day we have gone along in see it is over half an inch of solid paper, seconds, perhaps, and then, without any can demonstrate for yourself that you can

light looked the same, the tube acted just Continued on Eighteenth Page,